

Amendments to the Specification

Please replace the first full paragraph on page 6 of the specification with the following replacement paragraph:

-- Referring now to FIG. 1, a spread spectrum radio frequency communication system 100 is shown to include a transmitter 110 and a receiver 120. The transmitter 110 includes a modulator 10 wherein an input data signal from a data source 15 is encoded and modulated using a novel spread spectrum waveform as described hereinafter and a resulting modulated signal is fed to an exciter 20. The exciter 20 up converts the modulated signal to a transmit frequency signal and feeds the transmit frequency signal to an amplifier to increase the power of the signal. The output signal from the amplifier is then fed to an antenna 40 for propagating a transmit RF signal to the receiver 120. The transmit RF signal is captured by a receive antenna 50 which feeds a received signal to a receiver 60. The receiver 60 down converts the received signal to a baseband signal wherein the baseband signal is fed to the demodulator 70. The demodulator 70 then demodulates and decodes the baseband signal to an output data signal as described hereinafter.--